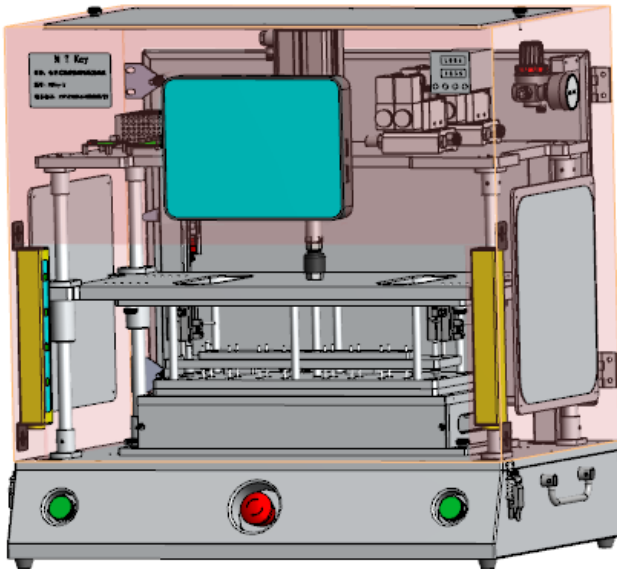


MTK002 Capacitive Switch Function Tester (Online)



Test Station #	<input type="text" value="0"/>	Operator #	<input type="text" value="1"/>
Hardware ID	<input type="text" value="123456789"/>		
CapSense Sensor			
	Raw Data	Signal	Max Signal
Sensor1	<input type="text" value="3115"/>	<input type="text" value="0"/>	<input type="text" value="847"/>
Sensor2	<input type="text" value="3152"/>	<input type="text" value="0"/>	<input type="text" value="816"/>
Sensor3	<input type="text" value="3078"/>	<input type="text" value="0"/>	<input type="text" value="878"/>
Sensor4	<input type="text" value="3049"/>	<input type="text" value="0"/>	<input type="text" value="905"/>
Sensor5	<input type="text" value="3214"/>	<input type="text" value="0"/>	<input type="text" value="762"/>

1. Summarization

MTK002 tester is specially developed for function testing of capacitive touch switches. It can test and judge various defective issues of the capacitive buttons quickly and efficaciously. At the same time, it can record and keep all test data of each product in real-time. This equipment worked online. If only want to judge "ok" or "not ok" of the capacitive switch's function, please inquiry us the offline tester.

2. Basic Parameters

Size:	610mm x 420mm x 610mm (Can be customized)
Efficiency:	About 400pcs/hour. By multi-panel of tested capacitive switches will be faster.
Max. Testing CAP Buttons Q'ty:	31
HMI:	Support Chinese and English, show control standard and real-time data.
Power:	220V AC



3. Main Parts

Safety Guard:	Raster
Pneumatic Component:	Motion control, pressure can be adjusted (provided by air using side)
Test System	MTKey Rev 6.3

Online test capacitive button's original value, capacitive signal value, parasitic capacitance signal value (need be customized) and noise value (need be customized).

4. Function Explanation

4.1) Online test capacitive button's original value, capacitive signal value, parasitic capacitance signal value (need be customized) and noise value (need be customized).

4.2) Test short-circuit, open-circuit and printing defects.

4.3) Can set and adjust the upper limit value and lower limiting value of capacitive button's original value, signal value and other key parameters.

4.4) Can do comparison test for the signal value's consistency among capacitive buttons.

4.5) Multi-Testing Mode selection. Can provide simulating human finger touch testing mode and none-touch testing mode (Testing speed is very fast).

4.6) Test working station, test worker can be defined.

4.7) There is an effective system to identify and prevent the mistakes arising. When identified defect products the pneumatic cylinder will be locked and couldn't be restarted until unlocked by the professionals.

4.8) Can generate single product's testing data with the cooperation of the scanning gun and stored into computer by .csv format document automatically.

4.9) The capacitive buttons testing process is automatically processed and worker only need press start button.

4.10) The "good" and "not good" products after tested will have sound and light reminder and also will show "PASS" or "FAILED" on HMI display.



4.11) The HMI display can count good products and we can set the test equipment stop testing automatically when the good products quantity reached the preset full order quantity.

4.12) High commonality of this tester. Can provide the commonly used testing jigs (like 0.5mm, 1.0mm, 2.54mm Pitch test jigs) as per the needs and customize special used test jigs.

5. Operation Processes

